

COL Application Guidance

Public Meeting w/NRC
05-05-05

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Operational Programs Review

- Two related parts to NRC review
 - Program info necessary to support NRC reasonable assurance finding(s) (RAF) for COL
 - ♦ SECY/SRM-02-0067
 - ♦ Programs required by regulation
 - NRC inspection during implementation

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Supporting RAF at COL

- FSAR program descriptions
 - Consistent with past practice and current guidance
 - Objective to minimize need for NRC to request additional info
- Identify program implementation timing in FSAR

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Implementation Inspection

- NRC "sign-as-you-go" type inspection(s) expected of program documentation and implementation
- Program implementation plans/schedule to be made available to NRC (analogous to construction schedules – not part of COLA)
- Detailed program implementation schedules available at least one year in advance to support NRC inspection planning
- Licensees will implement programs to the extent required to support project/construction milestones, e.g., receipt of fuel on site, fuel load, first refueling

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Draft 4/28/05
FIRE PROTECTION PROGRAM EXAMPLE

The attached figure illustrates a typical Fire Protection Program implementation plan, including the anticipated sequence of events that must be completed to support plant operation. It also shows when these events would occur relative to COL milestones. It reflects elements from a plant construction schedule for those activities necessary to implement the program. As identified down the left side of the figure, Fire Protection Program implementation involves parallel activities in four principal areas: Design and Construction, Testing, Training, and Procedures. Hypothetical subsystems for two rooms in an Auxiliary Building are identified in the example. Room XX is an example of an area required to be complete for fuel receipt, and Room YY is a room required to be complete prior to fuel load. The figure shows that system preoperational testing would be completed after construction completion. Preop testing procedures would be required to support those tests.

Activities identified in the Training and Procedure areas are generalized. In a real schedule, there would be hundreds of individual procedures and individuals to be trained. The purpose of the figure is to illustrate the sequential relationship of these activities to construction and testing. The diamond symbol on some of the activities indicates that some of the activities in a category will need to be completed prior to fuel receipt as indicated in the plant-specific FSAR.

TYPICAL FIRE PROTECTION PROGRAM IMPLEMENTATION SCHEDULE (PARTIAL)

Des. & Const.

Aux Bldg Rm XX

Sprklr. Subsys

Alarm Subsys

Rm YY Spklr

Rm YY Alarm

Testing

Rm XX Spklr

Rm XX Alarm

Rm YY Spklr

Training

Engr. Staff

Fire Brigade

Maint. Staff

Procedures

Station Policies

Admin Procedures

Dept. Procedures

Syst. Test Proc

Misc. Procedures

COL Application

COL Issuance

Fuel Receipt

Fuel Load

Legend: □ = Activity Start △ = Activity Complete ◇ = Activities required for Fuel Receipt Complete

